



member country. This application claims priority to a Provisional Application, Serial No. 60/242,576, filed October 22, 2000.

4. Prior to January 11, 2000: I reduced to practice a particular embodiment of the present invention and I recognized that I had an invention which operated in the way I intended.
5. As evidence that my work antedates Surwit, I refer to screenshots of an embodiment of the invention, CoagClinic (hereinafter "CoagClinic"), attached hereto as Exhibit B that I created. CoagClinic is a commercial embodiment of the present invention. Dates and certain other proprietary disclosures, including patient's names, appearing in this document have been redacted. I declare that this document (Exhibit B) was created by me before January 11, 2000.
6. Additionally, as evidence that my work antedates Surwit I refer to the extracted Source Code, attached hereto as Exhibit C. The Source Code comprises at least 4 different sub-routines and 3 screen shots of forms, created prior to the effective date of Surwit and extracted from the original code. Dates and certain other proprietary disclosures appearing in this document have been redacted. I declare that this document (Exhibit C) was created by me before January 11, 2000.

7. Claims 1-39 are pending in my application. With respect to the subject matter of independent claims 1, 21, and 37, both CoagClinic and Source Code discloses a method for using an administration of anticoagulation medication system accessed via a computer terminal over a network. CoagClinic, Figure 1, illustrates receiving current information for each patient's visit. The patient data input/output screen shown in Figure 1, six lines from the top on the left hand side, illustrates the input areas for the patient's "Visit Date," "B/P" (blood pressure), "Weight," "Height," "Temperature," and "Pulse." Further, CoagClinic Figure 1 and Source Code, pages 1-12 show automatically calculating a new weekly dose medication regimen based on the received information. Figure 1, seven lines down on the left hand side, illustrates the command button to calculate the medication dose (in this embodiment, Warfarin). Further, Source Code, pages 1-12, illustrates the subroutine to calculate a new daily/weekly medication dose based on the most recent medication dose.
8. Both CoagClinic and Source Code disclose that the information received and the new weekly dose medication regimen is based on at least one of a patient's current weekly anticoagulation medication dose, current international normalized ratio, and international normalized ratio. CoagClinic, Figure 1, seven lines down on the left hand side, shows the "I.N.R." (International Normalized Ratio) input/output box. Source Code, page 13, shows the subroutine to provide instructions regarding the medication dose and interval based on the I.N.R. Additionally, Source Code, Forms 1 and 3 (pages 14 & 16), the text boxes labeled "Total Dose" and "INR value" and

fields below “SLSMHS Coagulation Clinic”, respectively. These early descriptions provide the methods and structures of the presently claimed invention. These descriptions support claims 2, 3, 22, 23, 38, and 39.

9. CoagClinic, Figure 7 illustrates that the new weekly dose medication regimen is calculated based on an equation customizable by each user. Figure 7 illustrates, in the database embodiment, that the formula is a simple mathematical that can be edited by the user. This description support claims 4 and 24.
10. CoagClinic and Source Code show displaying standard medical guidelines in response to a user’s request and the standard medical guidelines are published by American College of Chest Physicians. CoagClinic, Figure 5, illustrates four buttons on the right had side that provide information to the patient. Further, Source Code, Form 1 (page 14), illustrates text box with sample message starting “Based on the current INR result...” These descriptions support claims 5 and 6.
11. Claims 7, 8, 25, and 26 are supported by the below descriptions. CoagClinic and Source Code show converting the new weekly dose medication into daily doses based on a number of milligrams in a single pill and receiving from a user over the network a setting of a predetermined number of milligrams in a single pill as defined by the user. CoagClinic, Figure 2, second set of input/output boxes, allow a user to convert the calculated dosage into pill dosages. Further, Source Code, Form 2 (page

15), illustrates text boxes “text1 ... text9” at the bottom of the form. The text boxes outline the anticoagulation guidelines.

12. Regarding where the anticoagulation medication is low molecular weight heparin, see CoagClinic, Figure 6, the entire page. This description support claims 9 and 27.
13. CoagClinic and Source Code disclose the subject matter for at least claims 10-18 and 28-34. The subject matter includes searching a database of patient records based on at least one of patient's last name, patient's first name, medical record number, social security number and patient identification and displaying a list of patients that are overdue for a scheduled visit as of a current date. Further embodiments illustrated are, the scheduled visit is overdue if delayed more than a predetermined number of days, as defined by a user, relative to a current date and the current information includes updated medication information. Also shown is that the method automatically displays medication interaction messages in response to receiving the updated medication information. Additionally, displaying a list of patients scheduled for a visit on a current date, selecting a particular patient from the list of patients scheduled, and generating a report of at least one of patient, physician, and clinic summary information. The report is customizable as to which fields are to be included therein and at least one of sorting and grouping of the fields included therein. CoagClinic, Figure 1, top of figure, "Search for overdue visits," "Search for flagged Charts," the buttons to print notes and reports. CoagClinic, Figure 3, lower

half of screen, allows for medications to be entered and interactions are automatically displayed. Source Code, pages 17-26 and Form 3 (page 16), fields below “SLSMHS Coagulation Clinic”, as well as buttons beneath, labeled “Print Data” and “Data to Clipboard”, and radio buttons labeled “patient name”, “physician”, “INR due date”, and “Primary Office”.

14. Regarding accessing the system via a web site and receiving a selection of preferences to customize configuration of the web site, I state that the Source Code is in Visual Basic and is designed to run on a network and is configurable to the web site. The disclosure that Source Code is written in Visual Basic supports claims 19 and 35.
15. CoagClinic and Source Code both disclose additional embodiments of the invention. CoagClinic, Figure 1, middle right had side of the form, the box labeled “Return in \_\_\_\_ days” and Source Code, page 27, discloses automatically calculating a scheduled return visit based on whether the new weekly dose medication regimen has changed relative to the current weekly anticoagulation medication dose. These descriptions support claims 20 and 36.

16. I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Dated: 11/3/06

by Mark Wurstler  
Mark Wurstler, Inventor

# EXHIBIT A



## **EXHIBIT A – PENDING CLAIMS**

1. (Original) A method for using an administration of anticoagulation medication system accessed via a computer terminal over a network, the method comprising the steps of:  
receiving current information for each patient's visit; and  
automatically calculating a new weekly dose medication regimen based on the received information.
2. (Original) The method in accordance with claim 1, wherein the information received includes at least one of a patient's current weekly anticoagulation medication dose, current international normalized ratio, and international normalized ratio goal.
3. (Original) The method in accordance with claim 2, wherein the new weekly dose medication regimen is based on at least one of the patient's current weekly anticoagulation medication dose, current international normalized ratio, and international normalized ratio goal.
4. (Previously Presented) The method in accordance with claim 1, wherein the new weekly dose medication regimen is calculated based on an equation customizable by each user.
5. (Original) The method in accordance with claim 1, further comprising displaying standard medical guidelines in response to a user's request.



12. (Original) The method in accordance with claim 11, wherein the scheduled visit is overdue if delayed more than a predetermined number of days, as defined by a user, relative to a current date.

13. (Original) The method in accordance with claim 1, wherein the current information includes updated medication information, the method further comprising automatically displaying medication interaction messages in response to receiving the updated medication information.

14. (Original) The method in accordance with claim 1, further comprising displaying a list of patients scheduled for a visit on a current date.

15. (Original) The method in accordance with claim 14, further comprising selecting a particular patient from the list of patients scheduled.

16. (Original) The method in accordance with claim 1, further comprising generating a report of at least one of patient, physician, and clinic summary information.

17. (Original) The method in accordance with claim 16, wherein said report is customizable as to which fields are to be included therein.

18. (Original) The method in accordance with claim 17, wherein said report is customizable in at least one of sorting and grouping of the fields included therein.

19. (Original) The method in accordance with claim 1, further comprising the steps of:

accessing the system via a web site; and

receiving a selection of preferences to customize configuration of the web site.

20. (Original) The method in accordance with claim 1, further comprising automatically calculating a scheduled return visit based on whether the new weekly dose medication regimen has changed relative to the current weekly anticoagulation medication dose.

21. (Previously Presented) A system for administration of anticoagulation medication accessed via a computer terminal over a network, comprising:

a first device receiving current information for each patient's visit; and

a second device automatically calculating a new weekly dose medication regimen based on the received information.

22. (Original) The system in accordance with claim 21, wherein the current information received includes at least one of a patient's current weekly anticoagulation medication dose, current international normalized ratio, and international normalized ratio goal.

23. (Original) The system in accordance with claim 22, wherein the new weekly dose medication regimen is based on at least one of the patient's current weekly anticoagulation medication dose, current international normalized ratio, and international normalized ratio goal.

24. (Previously Presented) The system in accordance with claim 21, wherein the new weekly dose medication regimen is calculated based on an equation customizable by each user.

25. (Previously Presented) The system in accordance with claim 21, further comprising a device to convert the new weekly dose medication into daily doses based on a number of milligrams in a single pill.

26. (Previously Presented) The system in accordance with claim 25, wherein said converting device comprises a device to receive from a user over the network a setting of a predetermined number of milligrams in a single pill as defined by the user.

27. (Original) The system in accordance with claim 21, wherein the anticoagulation medication is low molecular weight heparin.

28. (Previously Presented) The system in accordance with claim 21, further comprising a display device displaying a list of patients that are overdue for a scheduled visit as of a current date.

29. (Original) The system in accordance with claim 28, wherein the scheduled visit is overdue if delayed more than a predetermined number of days, as defined by a user, relative to a current date.

30. (Previously Presented) The system in accordance with claim 21, wherein the current information includes updated medication information, the system further comprising a display device automatically displaying medication interaction messages in response to receiving the updated medication information.

31. (Previously Presented) The system in accordance with claim 21, further comprising a display device displaying a list of patients scheduled for a visit on a current date.

32. (Previously Presented) The system in accordance with claim 21, further comprising a report generating device generating a report of at least one of patient, physician, and clinic summary information.

33. (Original) The system in accordance with claim 32, wherein said report is customizable as to which fields are to be included therein.

34. (Original) The system in accordance with claim 33, wherein said report is customizable in at least one of sorting and grouping of the fields included therein.

35. (Previously Presented) The system in accordance with claim 21, further comprising:

a first device accessing the system via a web site; and

a second device receiving a selection of preferences to customize configuration of the web site.

36. (Previously Presented) The system in accordance with claim 21, further comprising a calculation device automatically calculating a scheduled return visit based on whether the new weekly dose medication regimen has changed relative to the current weekly anticoagulation medication dose.

37. (Original) A system for administration of anticoagulation medication accessed via a computer terminal over a network, comprising:

a processor for receiving current information for each patient's visit and automatically calculating a new weekly dose medication regimen based on the received information.

38. (Original) The system in accordance with claim 37, wherein the current information received includes at least one of a patient's current weekly anticoagulation medication dose, current international normalized ratio, and international normalized ratio goal.

39. (Original) The system in accordance with claim 38, wherein the new weekly dose medication regimen is based on at least one of the patient's current weekly anticoagulation medication dose, current international normalize ratio, and international normalized ratio goal.

# EXHIBIT B



Figure 1.

CoagClinic - [CoagClinic]

File Edit View Insert Format Records Tools Window Help

CoagClinic

Search for record: [ ] Search for overdue visits: [ ] Search for flagged charts: [ ]

Sort by Physicians: [ ]

Patient Last Name: [ ] Patient First Name: [ ] Social Security #: [ ] Medical Record #: [ ]

Diagnosis: [Atrial Fibrillation (427.31)]

INR, Goal (Range=Goal+or-.5): [2.5]

Followup Due: [ ]

Patient ID#: [36]

Physician: [Wurster]

Office: [Medical Education]

Office Phone: [(816)-932-6100]

Office Fax: [(816)-932-6104]

Print Progress Notes

Print Report for patient

Print Prescriptions

Print Warfarin Rx

Visit Date: [11/9/1999] B/P: [140/90] Weight: [176lbs] Height: [ ] Temp: [ ] Pulse: [ ]

INR: [2.7] Calculate Warfarin Dose [ ]

Protime: [19.8]

To see warfarin dosage correction guidelines, enter current INR, result and double-click on the INR box.

Warfarin Regimen (doses are in milligrams/day)

Sun	Mon	Tues	Wed	Thu	Fri	Sat	Total/Wk
5	5	5	5	5	5	5	35

Return in [28] days. [ ] Visit Due Date: [ ]

Progress Notes: [Pt pulse was 68 bpm. INR today was 2.7 (goal 2-3). Plan is to continue with Warfarin 5mg qd. Patient was instructed.]

Comments for Patient: [Your INR was in the desired range of 2.0-3.0 (2.7). Be sure to eat a consistent diet and to watch for any signs of]

Medications:

Medication	Dose	Frequency	Route	#	Rx
Acetaminophen				0	[ ]
Colistipol	3 mg	once a day	by mouth	123	[ ]
				0	[ ]
				0	[ ]

Other visits for this patient: [ ] Flag for followup [ ]

Health Care Provider: [Ryan Miller PharmD candidate] Physician: [Wurster]

Record: [14] of 1

Search for other patients below:

Record: [5] of 92

Form View

**Figure 2.**

**CoagClinic - [Worksheet : Form]**

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**File Edit View Insert Format Records Tools Window Help**

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**Current Warfarin Regimen (doses are in milligrams/day)**

Sun	Mon	Tues	Wed	Thu	Fri	Sat	Total/Wk
0	5	5	5	5	5	5	35

Current INR.: 2.7

1. Adjust the above values as needed to account for missed doses or other recent events. To obtain a new warfarin dose schedule, click the button labelled "Calculate Regimen".

Calculate  
Regimen

---

**New Warfarin Regimen (doses are in milligrams/day)**

Sun	Mon	Tues	Wed	Thu	Fri	Sat	Total
1	0	1	0	1	0	1	4

Total/Wk 34.1223

2. Adjust the values in the new warfarin regimen if needed, and click the button labelled "Accept Regimen". The new schedule will be copied to the patient visit record.

Accept Regimen

---

Record: 14 | 1 | 1 > < \* of 40

Form View

[illegible]

[illegible]

Figure 5.

CoagClinic - [PatientEducation : Form]

File Edit View Insert Format Records Tools Window Help

Patient Education Checklist Date of visit: 12/30/1999

For each topic below, check the box after appropriate counseling and information has been given to the patient.

☐ Warfarin medication information ☐ ?

☐ 1. Warfarin indications for use. [Warfarin drug summary](#)

☐ 2. Warfarin mechanism of action. [Patient Education Handout](#)

☐ 3. Warfarin dose and frequency. [LMW Heparin summary](#)

☐ Warfarin side effects ☐ ?

☐ 1. Risk of bleeding [LMW Patient Handout](#)

☐ 2. Teratogenicity

☐ Warfarin monitoring ☐ ?

☐ 1. I.N.R. - definition and use.

☐ 2. Therapeutic Ranges

☐ 3. Clinic visits

☐ Warfarin drug interactions ☐ ?

☐ 1. Reporting medication changes

☐ Warfarin and diet concerns ☐ ?

☐ 1. Vitamin K effects

☐ Patient Education Materials provided to patient

☐ 1. Coumadin Care booklet

☐ 2. Warfarin medication summary

Health Care Provider: \_\_\_\_\_

Form View

Figure 6.

CoagCline - [LMW Heparin Worksheet : Form]

File Edit View Insert Format Records Tools Window Help

Low Molecular Weight Heparin Administration

Patient Last Name: [REDACTED] Date: 11/9/1998 10:38

Patient First Name: [REDACTED]

Diagnosis for anticoagulation therapy: Atrial Fibrillation (427.31) INR Goal: 2.5

Reason for LMW Heparin Administration: [REDACTED]

Desired intensity of anticoagulation: [REDACTED]

Desired LMW Heparin preparation: [REDACTED]

Anticipated duration of LMW therapy: [REDACTED]

Patient Weight(kg): 80 Anti-Xa level: [REDACTED] Test performed: [REDACTED] hours after last heparin dose

Roundoff: 80 Creatinine: [REDACTED] Date done: [REDACTED]

In order to calculate a possible LMW Heparin dose regimen, click button --> Calculate Regimen

Based on above results, consider the following dose regimen:

Medication: [REDACTED] Dose(n mg): [REDACTED] Frequency: [REDACTED]

Place additional comments here.

☒ Patient instructed regarding LMW use and potential side effects.

☒ Patient given instruction on LMW Heparin administration.

☒ Enoxaparin support kit given to patient.

Print Progress Notes Print Patient Visit Summary Online Drug Summary

Health Care Provider: [REDACTED] Supervising physician: [REDACTED]

Record: 14 of 1

Form View

### Figure 7

The screenshot shows the Microsoft Excel 2003 interface. The active window is 'CoagClic' with a 'Worksheet: Form' tab. The worksheet contains a form for calculating a patient's regimen. The form includes sections for 'Current Warfarin Regimen' and 'New Warfarin Regimen', each with a table for days of the week (Sun-Sat) and a 'Total/Wk' field. Instructions are provided for entering values and calculating the regimen. A 'Calculate Regimen' button is present. A 'Toolbox' is visible on the left, and a 'Format Cells' dialog box is open for the 'Text17' cell, showing the formula '=val(text26)/val'.

**Current Warfarin Regimen (doses are in milligrams/day)**

Sun	Mon	Tues	Wed	Thur	Fri	Sat	Total/Wk
Unbound	Unbound	Unbound	Unbound	Unbound	Unbound	Unbound	Unbound

**New Warfarin Regimen (doses are in milligrams/day)**

Sun	Mon	Tues	Wed	Thur	Fri	Sat	Total/Wk
Unbound	Unbound	Unbound	Unbound	Unbound	Unbound	Unbound	Unbound

**Format Cells Dialog Box (Text17):**

- Format: Data
- Name: Text17
- Control Source: =val(text26)/val
- Format: General
- Decimal Places: Auto
- Input Mask: (none)
- Default Value: 0
- Validation Rule: (none)
- Validation Text: (none)
- Status Bar Text: (none)
- Enter Key Behavior: Default
- Allow AutoCorrect: Yes
- Visible: Yes
- Disable When: Always

# EXHIBIT C



```
Private Sub Text1_Change()  
Dim mystring As String  
mystring = Text1.Text  
mystring2 = Text2.Text
```

```
If Val(mystring) < 7.5 Then  
vaSpread1.Row = 2  
vaSpread1.Col = 2  
vaSpread1.Row2 = 2  
vaSpread1.Col2 = 8  
vaSpread1.Action = 2  
vaSpread1.Action = 22  
vaSpread1.Action = 14
```

```
vaSpread2.Row = 9  
vaSpread2.Col = 1  
vaSpread2.Row2 = 9  
vaSpread2.Col2 = 7  
vaSpread2.Action = 2  
vaSpread2.Action = 24  
vaSpread2.Action = 14
```

```
ElseIf Val(mystring) < 10 Then  
vaSpread1.Row = 3  
vaSpread1.Col = 2  
vaSpread1.Row2 = 3  
vaSpread1.Col2 = 8  
vaSpread1.Action = 2  
vaSpread1.Action = 22  
vaSpread1.Action = 14
```

```
vaSpread2.Row = 9  
vaSpread2.Col = 1  
vaSpread2.Row2 = 9  
vaSpread2.Col2 = 7  
vaSpread2.Action = 2  
vaSpread2.Action = 24  
vaSpread2.Action = 14
```

```
ElseIf Val(mystring) < 12.5 Then  
vaSpread1.Row = 4  
vaSpread1.Col = 2  
vaSpread1.Row2 = 4  
vaSpread1.Col2 = 8  
vaSpread1.Action = 2  
vaSpread1.Action = 22  
vaSpread1.Action = 14
```

```
vaSpread2.Row = 9  
vaSpread2.Col = 1  
vaSpread2.Row2 = 9  
vaSpread2.Col2 = 7  
vaSpread2.Action = 2  
vaSpread2.Action = 24  
vaSpread2.Action = 14
```



```
vaSpread1.Row = 8
vaSpread1.Col = 2
vaSpread1.Row2 = 8
vaSpread1.Col2 = 8
vaSpread1.Action = 2
vaSpread1.Action = 22
vaSpread1.Action = 14
```

```
vaSpread2.Row = 9
vaSpread2.Col = 1
vaSpread2.Row2 = 9
vaSpread2.Col2 = 7
vaSpread2.Action = 2
vaSpread2.Action = 24
vaSpread2.Action = 14
```

```
ElseIf Val(mystring) < 25 Then
```

```
vaSpread1.Row = 9
vaSpread1.Col = 2
vaSpread1.Row2 = 9
vaSpread1.Col2 = 8
vaSpread1.Action = 2
vaSpread1.Action = 22
vaSpread1.Action = 14
```

```
vaSpread2.Row = 9
vaSpread2.Col = 1
vaSpread2.Row2 = 9
vaSpread2.Col2 = 7
vaSpread2.Action = 2
vaSpread2.Action = 24
vaSpread2.Action = 14
```

```
ElseIf Val(mystring) < 27.5 Then
```

```
vaSpread1.Row = 10
vaSpread1.Col = 2
vaSpread1.Row2 = 10
vaSpread1.Col2 = 8
vaSpread1.Action = 2
vaSpread1.Action = 22
vaSpread1.Action = 14
```

```
vaSpread2.Row = 9
vaSpread2.Col = 1
vaSpread2.Row2 = 9
vaSpread2.Col2 = 7
vaSpread2.Action = 2
vaSpread2.Action = 24
vaSpread2.Action = 14
```

```
ElseIf Val(mystring) < 30 Then
```

```
vaSpread1.Row = 11
vaSpread1.Col = 2
vaSpread1.Row2 = 11
vaSpread1.Col2 = 8
vaSpread1.Action = 2
```

```
vaSpread1.Action = 22  
vaSpread1.Action = 14
```

```
vaSpread2.Row = 9  
vaSpread2.Col = 1  
vaSpread2.Row2 = 9  
vaSpread2.Col2 = 7  
vaSpread2.Action = 2  
vaSpread2.Action = 24  
vaSpread2.Action = 14
```

```
ElseIf Val(mystring) < 32.5 Then  
vaSpread1.Row = 12  
vaSpread1.Col = 2  
vaSpread1.Row2 = 12  
vaSpread1.Col2 = 8  
vaSpread1.Action = 2  
vaSpread1.Action = 22  
vaSpread1.Action = 14
```

```
vaSpread2.Row = 9  
vaSpread2.Col = 1  
vaSpread2.Row2 = 9  
vaSpread2.Col2 = 7  
vaSpread2.Action = 2  
vaSpread2.Action = 24  
vaSpread2.Action = 14
```

```
ElseIf Val(mystring) < 35 Then  
vaSpread1.Row = 13  
vaSpread1.Col = 2  
vaSpread1.Row2 = 13  
vaSpread1.Col2 = 8  
vaSpread1.Action = 2  
vaSpread1.Action = 22  
vaSpread1.Action = 14
```

```
vaSpread2.Row = 9  
vaSpread2.Col = 1  
vaSpread2.Row2 = 9  
vaSpread2.Col2 = 7  
vaSpread2.Action = 2  
vaSpread2.Action = 24  
vaSpread2.Action = 14
```

```
ElseIf Val(mystring) < 37.5 Then  
vaSpread1.Row = 14  
vaSpread1.Col = 2  
vaSpread1.Row2 = 14  
vaSpread1.Col2 = 8  
vaSpread1.Action = 2  
vaSpread1.Action = 22  
vaSpread1.Action = 14
```

```
vaSpread2.Row = 9  
vaSpread2.Col = 1
```





vaSpread2.Action = 14

ElseIf Val(mystring) < 55 Then

vaSpread1.Row = 21

vaSpread1.Col = 2

vaSpread1.Row2 = 21

vaSpread1.Col2 = 8

vaSpread1.Action = 2

vaSpread1.Action = 22

vaSpread1.Action = 14

vaSpread2.Row = 9

vaSpread2.Col = 1

vaSpread2.Row2 = 9

vaSpread2.Col2 = 7

vaSpread2.Action = 2

vaSpread2.Action = 24

vaSpread2.Action = 14

ElseIf Val(mystring) < 60 Then

vaSpread1.Row = 22

vaSpread1.Col = 2

vaSpread1.Row2 = 22

vaSpread1.Col2 = 8

vaSpread1.Action = 2

vaSpread1.Action = 22

vaSpread1.Action = 14

vaSpread2.Row = 9

vaSpread2.Col = 1

vaSpread2.Row2 = 9

vaSpread2.Col2 = 7

vaSpread2.Action = 2

vaSpread2.Action = 24

vaSpread2.Action = 14

ElseIf Val(mystring) < 65 Then

vaSpread1.Row = 23

vaSpread1.Col = 2

vaSpread1.Row2 = 23

vaSpread1.Col2 = 8

vaSpread1.Action = 2

vaSpread1.Action = 22

vaSpread1.Action = 14

vaSpread2.Row = 9

vaSpread2.Col = 1

vaSpread2.Row2 = 9

vaSpread2.Col2 = 7

vaSpread2.Action = 2

vaSpread2.Action = 24

vaSpread2.Action = 14

ElseIf Val(mystring) < 70 Then

vaSpread1.Row = 24





vaSpread1.Action = 14

vaSpread2.Row = 9  
vaSpread2.Col = 1  
vaSpread2.Row2 = 9  
vaSpread2.Col2 = 7  
vaSpread2.Action = 2  
vaSpread2.Action = 24  
vaSpread2.Action = 14

ElseIf Val(mystring) < 90 Then

vaSpread1.Row = 28  
vaSpread1.Col = 2  
vaSpread1.Row2 = 28  
vaSpread1.Col2 = 8  
vaSpread1.Action = 2  
vaSpread1.Action = 22  
vaSpread1.Action = 14

vaSpread2.Row = 9  
vaSpread2.Col = 1  
vaSpread2.Row2 = 9  
vaSpread2.Col2 = 7  
vaSpread2.Action = 2  
vaSpread2.Action = 24  
vaSpread2.Action = 14

ElseIf Val(mystring) < 95 Then

vaSpread1.Row = 29  
vaSpread1.Col = 2  
vaSpread1.Row2 = 29  
vaSpread1.Col2 = 8  
vaSpread1.Action = 2  
vaSpread1.Action = 22  
vaSpread1.Action = 14

vaSpread2.Row = 9  
vaSpread2.Col = 1  
vaSpread2.Row2 = 9  
vaSpread2.Col2 = 7  
vaSpread2.Action = 2  
vaSpread2.Action = 24  
vaSpread2.Action = 14

ElseIf Val(mystring) < 100 Then

vaSpread1.Row = 30  
vaSpread1.Col = 2  
vaSpread1.Row2 = 30  
vaSpread1.Col2 = 8  
vaSpread1.Action = 2  
vaSpread1.Action = 22  
vaSpread1.Action = 14

vaSpread2.Row = 9  
vaSpread2.Col = 1  
vaSpread2.Row2 = 9





```

vaSpread1.Action = 2
vaSpread1.Action = 22
vaSpread1.Action = 14

vaSpread2.Row = 9
vaSpread2.Col = 1
vaSpread2.Row2 = 9
vaSpread2.Col2 = 7
vaSpread2.Action = 2
vaSpread2.Action = 24
vaSpread2.Action = 14

ElseIf Val(mystring) < 140 Then
vaSpread1.Row = 38
vaSpread1.Col = 2
vaSpread1.Row2 = 38
vaSpread1.Col2 = 8
vaSpread1.Action = 2
vaSpread1.Action = 22
vaSpread1.Action = 14

vaSpread2.Row = 9
vaSpread2.Col = 1
vaSpread2.Row2 = 9
vaSpread2.Col2 = 7
vaSpread2.Action = 2
vaSpread2.Action = 24
vaSpread2.Action = 14

ElseIf Val(mystring) < 145 Then
vaSpread1.Row = 39
vaSpread1.Col = 2
vaSpread1.Row2 = 39
vaSpread1.Col2 = 8
vaSpread1.Action = 2
vaSpread1.Action = 22
vaSpread1.Action = 14

vaSpread2.Row = 9
vaSpread2.Col = 1
vaSpread2.Row2 = 9
vaSpread2.Col2 = 7
vaSpread2.Action = 2
vaSpread2.Action = 24
vaSpread2.Action = 14

End If

End Sub

Private Sub Text2_Change()
Dim mystring2
mystring2 = Text2.Text
If Val(mystring2) < 5 Then
Coagclinic1.Text2.Text = ""
Exit Sub

```

```
If Val(mystring2) < 8 Then
Label4.Visible = True
Coagclinic1.Text11.Text = "Hold coumadin for one day, adjust Rx, notify pt's Dr."

ElseIf Val(mystring2) < 10 Then
Label5.Visible = True
Coagclinic1.Text11.Text = "Hold coumadin for two days, adjust Rx, notify pt's Dr."

ElseIf Val(mystring2) < 100 Then
Label6.Visible = True
Coagclinic1.Text11.Text = "Hold coumadin for two days, adjust Rx, pt's Dr notified."
End If
```

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Form 1.

Coagclnicproject - Microsoft Visual Basic [design] - [Coagclnicproject - worksheet (Form)]

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General

**Dose Adjustment Worksheet**

Current INR and dose regimen values are entered; change if needed.

Once settings are as desired, press "calculate doses" button.

Calculate Doses

If new dose regimen is acceptable, click on "Accept Regimen" button, and new Rx will be entered into form.

Accept Regimen

Based on the current INR result, consideration should be given to withholding coumadin for one day, and then follow the schedule for coumadin use outlined below.

Based on the current INR result, consideration should be given to withholding coumadin for at least two days, and then following the schedule for coumadin use outlined below.

Based on the current INR result, consideration should be given to withholding coumadin for two days, and then following the schedule for coumadin use outlined below.

Total dose INR value

Properties - worksheet

worksheet: Form

Alphabetic Categorized

(Name)	worksheet
Appearance	1 - 3D
AutoRedraw	False
BackColor	<input type="checkbox"/> 6H800000F
BorderStyle	2 - Single
Caption	Dose Adjuster
ClipControls	True
ControlBox	True
DrawMode	13 - Copy Pen
DrawStyle	0 - Solid

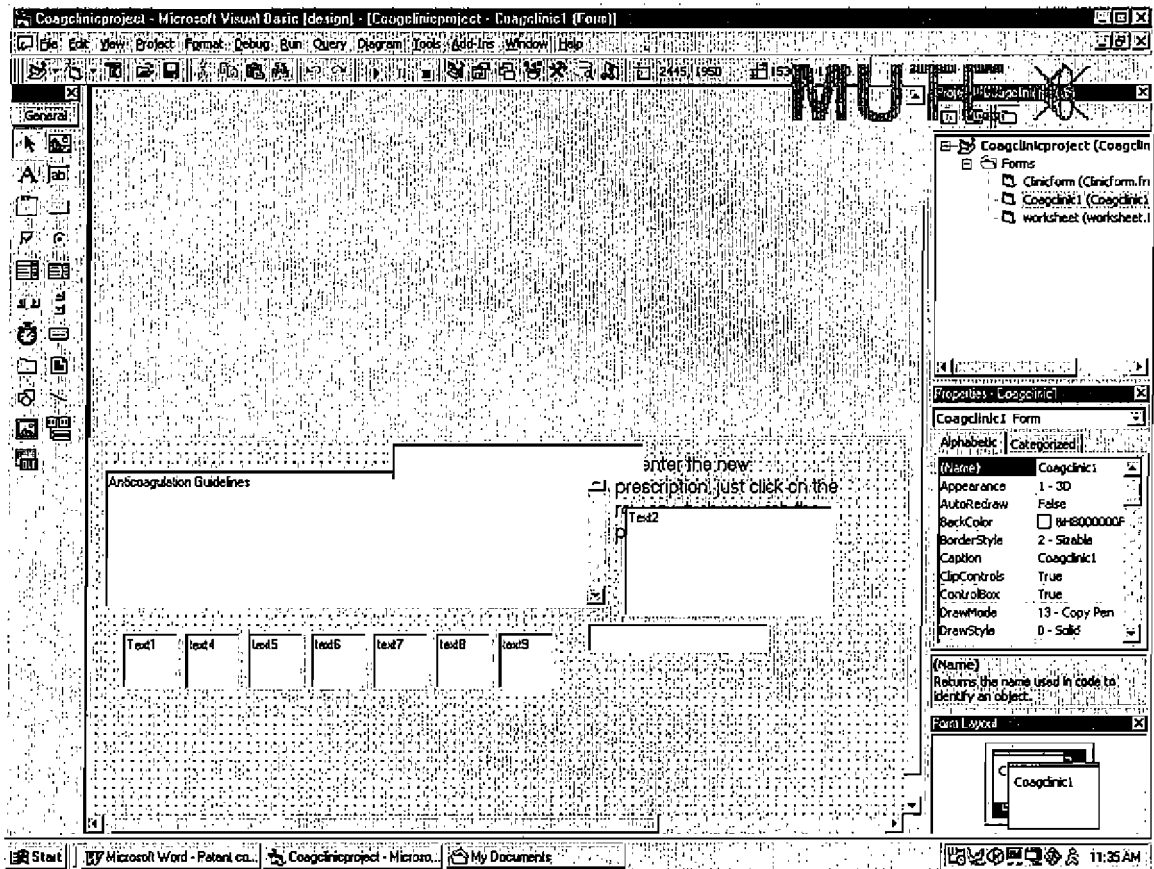
(Name)  
Returns the name used in code to identify an object.

Form Layout

worksheet

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## Form 2.







## Table 1.

The following message is displayed when any of the meds below is selected as part of the patient's medication regimen:

"This medication (in some cases a medication with similar properties) has been reported to decrease the INR and/or anticoagulation effect in patients taking warfarin. Caution should be exercised when using this medication in combination with warfarin. INR measurement may be required more frequently while the patient is on this medication. Frequent INR monitoring is essential when starting or stopping this medication, or when adjusting the dose of this medication for a patient on warfarin."

Aldactone  
Alesse-21  
Alesse-28  
Alora transdermal system  
Alternagel  
Amicar  
Aminocaproic acid  
Aminoglutethimide  
Amobarbital  
Amphogel  
Anadrol  
Androderm Transdermal System  
Android  
Antipyrine  
Arginine Vasopressin  
Atorvastatin  
Azathioprine  
Barbiturates  
Brevicon-21  
Brevicon-28  
Butabarbital  
Butalbital  
Calcium carbonate  
Carafate  
Carbamazepine  
Celestone Soluspan Injectable  
Cenestin  
Chloral hydrate  
Chlordiazepoxide  
Chlorthalidone  
Cholestyramine  
Climara Transdermal System  
Combipatch Transdermal  
Contraceptives, hormonal-need brand names and generics  
Corticosteroids  
Corticotropin  
Cortisone  
Cortone Acetate  
Cortone Acetate Injectable  
Cyclophosphamide  
Cyclosporine  
Cytosan  
DDAVP  
Decadron  
Decadron Elixir

Decadron Tablets  
Demulen  
Depo-Provera  
Desmopressin  
Desogen  
Desyrel  
Dicloxacillin  
Dilantin  
Disopyramide

Estinyl  
Estrace  
Estragen  
Estrostep Fe  
Ethchlorvynol  
Ethmozine  
Etretinate  
Fulvicin  
Glutethimide  
Griseofulvin  
Haldol  
Haloperidol  
Hydrocortone  
Imuran  
Indapamide  
Levora  
Lo/Ovral  
Lozol  
Maalox  
Mebaryl  
Megace  
Mercaptopurine  
Methaqualone  
Methimazole  
Metolazone  
Mircette  
Mitotane  
Modicon  
Moricizine  
Mykrox  
Mylanta  
Mysoline  
Nafcillin  
Necon  
Nembutal  
Nordette  
Norinyl  
Ogen  
Orlistat  
Ortho-cept  
Ortho-Cyclen  
Ortho-Est  
Ortho-Novum  
Ortho-Tricyclin  
Ovcon  
Ovral

Oxandrin  
 Paraldehyde  
 Pediapred  
 Pentobarbital  
 Phenobarbital  
 Phenytoin  
 Prednisone  
 Prelone  
 Premarin  
 Premphase  
 Prempro  
  
 Primidone  
 Progesterone  
 Propylthiouracil  
 Provera  
 PTU  
 Ranitidine  
 Rifampin  
 Riopan  
 Secobarbital  
 Solu-Medrol  
  
 Spironolactone  
 Sucralfate  
 Tegretol  
 Testoderm  
 Testred  
 Trazodone  
 Tri-Norinyl  
 Triphasil  
 Trivora  
 Tums  
 Vitamin C  
 Vitamin K  
 Vivelle Transdermal System  
 Vivelle-Dot Transdermal System  
 Winstrol  
 Xenical  
 Zaroxolyn  
 Zovia

**Table 2.**

The following message is displayed when any of the meds below is selected as part of the patient's medication regimen:

"This medication (in some cases a medication with similar properties) has been reported to increase the INR and/or anticoagulation effect in patients taking warfarin. Caution should be exercised when using this medication in combination with warfarin. INR measurement may be required more frequently while the patient is on this medication. Frequent INR monitoring is essential when starting or stopping this medication, or when adjusting the dose of this medication for a patient on warfarin."



Cilostazol  
Cimetidine  
Cipro  
Ciprofloxacin  
Cisapride  
Claforan  
Clinoril  
Clofibrate  
Clopidogrel  
Clozapine  
Clozaril  
Cordarone  
Cortef  
Cortisone  
Cortone  
Cotrim  
Cytomel  
Danaparoid  
Danazol  
Danocrine  
Danshen  
Daypro  
Decadron  
Declomycin  
Deltasone  
Depakene  
Depo-testosterone  
Dexamethasone  
Dextran  
Dextrothyroxine  
Diazoxide  
Diclofenac  
Dicumarol  
Diflusal  
Digoxin immune Fab  
Dilantin  
Dipyradamole  
Disalcid  
Disopyramide  
Disulfiram  
Dolobid  
Doryx  
Doxycycline  
Duricef  
Dynabac  
Dynacin  
E.E.S.  
Ecotrin  
Edecrine  
Elavil  
E-Mycin  
Enoxaparin  
Epoprostenol  
Eryc  
EryPed  
Ery-Tab

Erythrocin  
Erythromycin  
Ethacrynic acid  
Ethmozine  
Etodolac  
Etoposide  
Etrafon  
Excedrin  
Feldene  
Fenofibrate  
Fenoprofen  
Flagyl  
Flolan  
Florinef  
Floxin  
Fluconazole  
Fludrocortisone  
Fluoroquinolones  
Fluorouracil  
Fluoxetine  
Fluoxymesterone  
Flurbiprofen  
Flutamide  
Fluvastatin  
Fluvoxamine  
Fortaz  
Fragmin  
Gantanol  
Gantrisin  
Garamycin  
Gemfibrozil  
Gentamicin  
Glucagon  
Glyburide  
Halfprin  
Halotestin  
Halothane  
Heparin  
Hydrocortisone  
Hyperstat  
Ibuprofen  
Ifosfamide  
Ilosone  
Inderal  
Indomethacin  
Influenza vaccine  
Inhalation anesthetics  
Interferon  
Isoniazid  
Kabikinase  
Keflex  
Keftab  
Kefzol  
Ketoconazole  
Ketoprofen  
Lescol

Levamisole  
Levaquin  
Levofloxacin  
Levothroid  
Levothyroxine  
Levoxyl  
Limbitrol  
Liothyronine  
Liotrix  
Lodine  
Lomefloxacin  
Lopid  
Lortab  
Lovastatin  
Lovenox  
L-thyroxine  
Luvox  
Mandol  
Maxipime  
Meclofenamate  
Meclomen  
Medrol  
Mefenamic acid  
Meloxicam  
Methimazole  
Methyldopa  
Methylphenidate  
Methylprednisolone  
Methylsalicylate ointment  
Metronidazole  
Mevacor  
Miconazole  
Minocin  
Minocycline  
Mobic  
Monistat  
Monodox  
Moricizine  
Moxaquin  
Nabumetone  
Nalidixic acid  
Naprosyn  
Naproxen  
Nebcin  
Neggram  
Neomycin  
Netromycin  
Nolvadex  
Norfloxacin  
Normiflo  
Noroxin  
Norpace  
Norpramin  
Ofloxacin  
Oral hypoglycemics  
Orgaran





Sulfamethoxazole/Trimethoprim  
Sulfasalazine  
Sulfinpyrazone  
Sulfizoxazole  
Sulindac  
Suprax  
Surmontil  
Synthroid  
Tamoxifen  
Tao capsules  
Tapazole  
Tazicef  
Terramycin  
Testosterone cypionate  
Testosterone topical  
Testosterone Transdermal  
Tetracycline  
Thyroid desiccated  
Thyroid hormone  
Thyrolar  
Ticar  
Ticareillin  
Ticlid  
Ticlopidine  
Tissue plasminogen activator  
Tolbutamide  
Tolectin  
Tolmetin  
Toradol  
t-PA  
Tramadol  
Triamcinolone  
Triavil  
Tricor  
Trilisate  
Triostat  
Trovan  
Tylenol  
Ultram  
Urokinase  
Valproate  
Valproic Acid  
Vantin  
Vectrin  
Vibramycin  
Vibra-Tabs  
Vioxx  
Vitamin C  
Vitamin E  
Vivactil  
Voltaren  
Xenical  
Zafirlukast  
Zagam  
Zantac  
Zileuton

Zinacef  
Zithromax  
Zocor  
Zolof  
Zosyn  
Zyflo  
Zyloprim

